

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

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1. (Canceled).
2. (Canceled).
3. (Currently Amended) An isolated polynucleotide encoding a polypeptide selected from the group consisting of:
 - a) a polypeptide consisting of the amino acid sequence of SEQ ID NO: 4,
and
 - b) a polypeptide variant of the amino acid sequence of SEQ ID NO: 4,
wherein the variant has chemokine activity and:
 - (i) has an insertion or deletion of 1-5 amino acids as compared to
SEQ ID NO: 4; or
 - (ii) has one amino acid substitution as compared with SEQ ID NO:
4; or
 - (iii) a combination of (i) and (ii)
 - ~~e) a biologically active fragment of a polypeptide that consists essentially
of the amino acid sequence of SEQ ID NO: 4, wherein said fragment
has chemokine activity and is at least 5 amino acids in length, and~~
 - ~~d) an immunogenic fragment of a polypeptide that consists essentially of
the amino acid sequence of SEQ ID NO: 4, and wherein the
immunogenic fragment is at least 5 amino acids in length and is
capable of generating an antibody that specifically binds to the peptide~~

~~of SEQ. ID NO: 4, and the immunogenic fragment possesses biological activity.~~

4. (Previously Presented) An isolated polynucleotide encoding the polypeptide of SEQ ID NO: 4.

5. (Previously Presented) An isolated polynucleotide of claim 4, wherein said polynucleotide consists of the sequence of SEQ ID NO: 3.

6. (Previously Presented) A recombinant polynucleotide comprising a promoter sequence operably linked to a polynucleotide of claim 3.

7. (Previously Presented) A cell transformed with a recombinant polynucleotide of claim 6.

8. (Previously Presented) A transgenic organism comprising a recombinant polynucleotide of claim 6.

9. (Currently Amended) A method for producing a polypeptide selected from the group consisting of:

a) a polypeptide consisting of the amino acid sequence of SEQ ID NO: 4,

b) a polypeptide variant of the amino acid sequence of SEQ ID NO: 4, and wherein the variant has chemokine activity and:

(i) has an insertion or deletion of 1-5 amino acids as compared to SEQ ID NO: 4; or

(ii) has one amino acid substitution as compared with SEQ ID NO: 4; or

(iii) a combination of (i) and (ii),

~~e) a biologically active fragment of a polypeptide that consists essentially of the amino acid sequence of SEQ ID NO: 4, wherein said fragment has chemokine activity and is at least 5 amino acids in length, and~~

- d) ~~an immunogenic fragment of a polypeptide that consists essentially of the amino acid sequence of SEQ ID NO: 4, and wherein the immunogenic fragment is at least 5 amino acids in length and is capable of generating an antibody that specifically binds to the peptide of SEQ. ID NO: 4, and the immunogenic fragment possesses biological activity,~~

the method comprising:

- a) culturing a cell under conditions suitable for expression of the polypeptide, wherein said cell is transformed with a recombinant polynucleotide, and said recombinant polynucleotide comprises a promoter sequence operably linked to a polynucleotide encoding the polypeptide of claim 1, and
 - b) recovering the polypeptide so expressed.
10. (Previously Presented) A method of claim 9, wherein the polypeptide consists of the amino acid sequence of SEQ ID NO: 4.
11. (Canceled).
12. (Currently Amended) An isolated polynucleotide comprising a sequence selected from the group consisting of:
- a) a polynucleotide consisting of the polynucleotide sequence of SEQ ID NO: 3,
 - b) a polynucleotide sequence variant of SEQ ID NO: 3, wherein said variant encodes ~~an~~ the amino acid sequence of SEQ ID NO: 4,
 - c) a polynucleotide having a sequence fully complementary along its length to the polynucleotide of a),

- d)** a polynucleotide having a sequence fully complementary along its length to the polynucleotide of b) and
- e)** an RNA equivalent of a)-d).

13. (Currently Amended) An isolated polynucleotide comprising at least 60 contiguous nucleotides of a polynucleotide of SEQ ID NO: 3 and having chemokine activity.

Claims 14-61. (Canceled).

62. (Currently Amended) An isolated polynucleotide sequence encoding a polypeptide that comprises an amino acid sequence having chemokine activity and:

- a)** ~~having~~ an insertion or deletion of 1-5 amino acids as compared to SEQ ID NO: 4; or
 - (ii)** ~~having~~ one amino acid substitution as compared with SEQ ID NO: 4; or
- b)** a combination of (a) and (b).

Claims 63-66. (Cancelled).